

032404

16569 U.S. PTO

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	H0006427-1070
First Inventor	Gregor McDowall et al.
Title	Lightweight Wedge Design for....
Express Mail Label No.	EV388969501US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 36]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Pages 2]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement [ ] Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 [ ] Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☒ Other: **Check # 583584 for \$810**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information:

Examiner: \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label

or

☒ Correspondence address below

Name	Robert Desmond				
Address	Honeywell International, Inc.				
	Law Dept. AB2, P.O. Box 2245				
City	Morristown	State	NJ	Zip Code	07962
Country	USA	Telephone	602-365-2588	Fax	602-365-2490

Name (Print/Type)	Ketan S. Vakil, Esq.	Registration No. (Attorney/Agent)	43,215
Signature	<i>Ketan S. Vakil</i>	Date	03/24/2004

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

The PTO did not receive the following listed items(s) *File of Spec sheet*

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

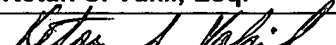
**FEE TRANSMITTAL**  
**for FY 2001**

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT (\$)** **810.00****Complete if Known**

Application Number	Filed Herewith
Filing Date	Filed Herewith
Inventor	Gregor McDowall et al.
Examiner Name	Not Yet Assigned
Group Art Unit	Not Yet Assigned
Attorney Docket No.	H0006427-1070

METHOD OF PAYMENT		FEE CALCULATION (continued)																																																																																																																													
<b>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</b>  Deposit Account Number: <b>01-1125</b>  Deposit Account Name: <b>Honeywell (a/k/a Allied Signal)</b> <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130 205 65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50 227 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130 139 130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520 147 2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920* 112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840* 113 1,840</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110 215 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390 216 195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890 217 445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390 218 695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890 228 945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310 219 155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310 220 155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270 221 135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510 138 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110 240 55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240 241 620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240 242 620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440 243 220</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>600 244 300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130 122 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50 123 50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>240 126 240</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40 581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40</td></tr> <tr><td>146</td><td>710 246 355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710 249 355</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710 279 355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900 169 900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> <tr> <td colspan="3"><b>SUBTOTAL (3) (\$)</b></td> <td><b>40</b></td> </tr> </tbody> </table>		Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	105	130 205 65	Surcharge - late filing fee or oath		127	50 227 25	Surcharge - late provisional filing fee or cover sheet		139	130 139 130	Non-English specification		147	2,520 147 2,520	For filing a request for <i>ex parte</i> reexamination		112	920* 112 920*	Requesting publication of SIR prior to Examiner action		113	1,840* 113 1,840	Requesting publication of SIR after Examiner action		115	110 215 55	Extension for reply within first month		116	390 216 195	Extension for reply within second month		117	890 217 445	Extension for reply within third month		118	1,390 218 695	Extension for reply within fourth month		128	1,890 228 945	Extension for reply within fifth month		119	310 219 155	Notice of Appeal		120	310 220 155	Filing a brief in support of an appeal		121	270 221 135	Request for oral hearing		138	1,510 138 1,510	Petition to institute a public use proceeding		140	110 240 55	Petition to revive - unavoidable		141	1,240 241 620	Petition to revive - unintentional		142	1,240 242 620	Utility issue fee (or reissue)		143	440 243 220	Design issue fee		144	600 244 300	Plant issue fee		122	130 122 130	Petitions to the Commissioner		123	50 123 50	Petitions related to provisional applications		126	240 126 240	Submission of Information Disclosure Stmt		581	40 581 40	Recording each patent assignment per property (times number of properties)	40	146	710 246 355	Filing a submission after final rejection (37 CFR § 1.129(a))		149	710 249 355	For each additional invention to be examined (37 CFR § 1.129(b))		179	710 279 355	Request for Continued Examination (RCE)		169	900 169 900	Request for expedited examination of a design application		Other fee (specify) _____				<b>SUBTOTAL (3) (\$)</b>			<b>40</b>
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																												
105	130 205 65	Surcharge - late filing fee or oath																																																																																																																													
127	50 227 25	Surcharge - late provisional filing fee or cover sheet																																																																																																																													
139	130 139 130	Non-English specification																																																																																																																													
147	2,520 147 2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																													
112	920* 112 920*	Requesting publication of SIR prior to Examiner action																																																																																																																													
113	1,840* 113 1,840	Requesting publication of SIR after Examiner action																																																																																																																													
115	110 215 55	Extension for reply within first month																																																																																																																													
116	390 216 195	Extension for reply within second month																																																																																																																													
117	890 217 445	Extension for reply within third month																																																																																																																													
118	1,390 218 695	Extension for reply within fourth month																																																																																																																													
128	1,890 228 945	Extension for reply within fifth month																																																																																																																													
119	310 219 155	Notice of Appeal																																																																																																																													
120	310 220 155	Filing a brief in support of an appeal																																																																																																																													
121	270 221 135	Request for oral hearing																																																																																																																													
138	1,510 138 1,510	Petition to institute a public use proceeding																																																																																																																													
140	110 240 55	Petition to revive - unavoidable																																																																																																																													
141	1,240 241 620	Petition to revive - unintentional																																																																																																																													
142	1,240 242 620	Utility issue fee (or reissue)																																																																																																																													
143	440 243 220	Design issue fee																																																																																																																													
144	600 244 300	Plant issue fee																																																																																																																													
122	130 122 130	Petitions to the Commissioner																																																																																																																													
123	50 123 50	Petitions related to provisional applications																																																																																																																													
126	240 126 240	Submission of Information Disclosure Stmt																																																																																																																													
581	40 581 40	Recording each patent assignment per property (times number of properties)	40																																																																																																																												
146	710 246 355	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																													
149	710 249 355	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																													
179	710 279 355	Request for Continued Examination (RCE)																																																																																																																													
169	900 169 900	Request for expedited examination of a design application																																																																																																																													
Other fee (specify) _____																																																																																																																															
<b>SUBTOTAL (3) (\$)</b>			<b>40</b>																																																																																																																												
<b>2. <input checked="" type="checkbox"/> Payment Enclosed: Check #583584</b> <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money <input type="checkbox"/> Other Order																																																																																																																															
<b>1. BASIC FILING FEE</b> <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>770 201 385</td><td>Utility filing fee</td><td>770</td></tr> <tr><td>106</td><td>320 206 160</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>490 207 245</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>710 208 355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150 214 75</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="3"><b>SUBTOTAL (1) (\$)</b></td> <td><b>770</b></td> </tr> </tbody> </table>		Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	101	770 201 385	Utility filing fee	770	106	320 206 160	Design filing fee		107	490 207 245	Plant filing fee		108	710 208 355	Reissue filing fee		114	150 214 75	Provisional filing fee		<b>SUBTOTAL (1) (\$)</b>			<b>770</b>																																																																																																		
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																												
101	770 201 385	Utility filing fee	770																																																																																																																												
106	320 206 160	Design filing fee																																																																																																																													
107	490 207 245	Plant filing fee																																																																																																																													
108	710 208 355	Reissue filing fee																																																																																																																													
114	150 214 75	Provisional filing fee																																																																																																																													
<b>SUBTOTAL (1) (\$)</b>			<b>770</b>																																																																																																																												
<b>2. EXTRA CLAIM FEES</b> <table border="1"> <thead> <tr> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims: 20 -20** = 0 X 18 = 0</td> <td></td> <td></td> </tr> <tr> <td>Independent Claims: 3 -3** = 0 X 84 = 0</td> <td></td> <td></td> </tr> <tr> <td>Multiple Dependent: - = -</td> <td></td> <td></td> </tr> </tbody> </table>		Extra Claims	Fee from below	Fee Paid	Total Claims: 20 -20** = 0 X 18 = 0			Independent Claims: 3 -3** = 0 X 84 = 0			Multiple Dependent: - = -																																																																																																																				
Extra Claims	Fee from below	Fee Paid																																																																																																																													
Total Claims: 20 -20** = 0 X 18 = 0																																																																																																																															
Independent Claims: 3 -3** = 0 X 84 = 0																																																																																																																															
Multiple Dependent: - = -																																																																																																																															
<table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18 203 9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>80 202 40</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>270 204 135</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>80 209 40</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18 210 9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="3"><b>SUBTOTAL (2) (\$)</b></td> <td><b>0</b></td> </tr> </tbody> </table>		Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	103	18 203 9	Claims in excess of 20		102	80 202 40	Independent claims in excess of 3		104	270 204 135	Multiple dependent claim, if not paid		109	80 209 40	** Reissue independent claims over original patent		110	18 210 9	** Reissue claims in excess of 20 and over original patent		<b>SUBTOTAL (2) (\$)</b>			<b>0</b>																																																																																																		
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																												
103	18 203 9	Claims in excess of 20																																																																																																																													
102	80 202 40	Independent claims in excess of 3																																																																																																																													
104	270 204 135	Multiple dependent claim, if not paid																																																																																																																													
109	80 209 40	** Reissue independent claims over original patent																																																																																																																													
110	18 210 9	** Reissue claims in excess of 20 and over original patent																																																																																																																													
<b>SUBTOTAL (2) (\$)</b>			<b>0</b>																																																																																																																												
<b>SUBTOTAL (2) (\$)</b> <b>0</b> **or number previously paid, if greater: For Reissues, see above		<b>* Reduced by Basic Filing Fee Paid</b> <b>SUBTOTAL (3) (\$)</b> <b>40</b>																																																																																																																													

SUBMITTED BY		Complete (if applicable)	
Name (Print Type)	Ketan S. Vakil, Esq.	Registration No. (Attorney/Agent)	43,215
Signature		Telephone	949-253-2700
		Date	March 24, 2004